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## Design within the historic environment: A survey on admiration preferences

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### Abstract

Today, the new designs applied within historic environments are realized with approaches that vary between two extremes. A permanent doctrine related to such examples, which are sometimes criticised positively and sometimes negatively in terms of their effects on the existing texture, has not yet been put forth.

This paper is on the works created with similar and/or opposite approaches for new incompatible-looking buildings within the historical environment and the admiration preferences of these works. The potential designs formed on a street of Safranbolu, which is a world heritage site, have been evaluated by the students who attend the elective course named 'New Buildings in Historical Environments-Studio' given at the Department of Architecture in the Karabük University. This rehabilitation work aiming at conservation-development, which is rebuilt based on current allowed building heights, is aiming to search for means of solution on behalf of compatibility of old and new.

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*Keywords:* design within the historic environment; Safranbolu-Baysal Street; Karabük University Department of Architecture

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### 1. Introduction

MIM448 New Buildings in Historical Environments-Studio is carried out as one of the elective courses in the eighth semester at the Department of Architecture of the Faculty of Safranbolu Fethi Toker Fine Arts and Design in the Karabük University (Table 1).

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Table 1. European Credit Transfer System (ECTS) form of the course named 'New Buildings in Historical Environments-Studio'

**GENERAL INFORMATION**

<b>Code</b>	MIM448	<b>Title</b>	New Buildings in Historical Environments-Studio					<b>Semester</b>	8
<b>Lecture</b>	1	<b>Practice</b>	2	<b>Laboratory</b>	0	<b>Credit</b>	2	<b>ECTS</b>	5
<b>Level</b>	Bachelor's Degree	<b>Language</b>	Turkish	<b>Type</b>	Elective	<b>Education System</b>	Formal Education	<b>Prerequisites</b>	None
<b>Objective</b>	To introduce the design approaches in historical environments, to discuss the topic on the examples.								
<b>Content</b>	Explanation of the historical environment concept, introduction of the design approaches that can be applied for infill buildings in historical environments together with their examples, examination and assessment of the topic on a featured environment.								
<b>Learning Outcomes</b>	<p>Upon successful completion of this course, students will be able to:</p> <ul style="list-style-type: none"> <li>· Get sensitive to historical environments.</li> <li>· Explain the design approaches in historical environments.</li> <li>· Analyze historical environments.</li> <li>· Design new buildings in historical environments.</li> <li>· Survey admiration preferences of designs in historical environments.</li> <li>· Criticize the new designs applied within historic environments.</li> </ul>								
<b>References</b>	<ul style="list-style-type: none"> <li>· Brolin, B. C. (1980). <i>Architecture in context: fitting new buildings with old</i>. New York: Van Nostrand Reinhold Comp.</li> <li>· Eldem, N., Ersen, A., &amp; Akın, N. (1992). Tarihsel çevrede yeni mimarlık. <i>Arredamento Dekorasyon</i>, 37.</li> <li>· Baytin, Ç. (1994). <i>Tarihi çevrelerde yeni yapı olgusuna bir yaklaşım-İstanbul örneğinde bir uygulama modeli</i>. Doktora Tezi. İstanbul: İstanbul Teknik Üniversitesi Fen Bilimleri Enstitüsü.</li> <li>· Warren, J., Worthington, J., &amp; Taylor, S. (1998). <i>Context: new buildings in historic settings</i>. Oxford: Architectural Press.</li> <li>· Birlik, S. (1999). <i>Tarihi çevrede tasarım: Ortahisar'da bir deneme</i>. Yüksek Lisans Tezi. Trabzon: Karadeniz Teknik Üniversitesi Fen Bilimleri Enstitüsü.</li> <li>· Golding, F. (2001). <i>Building in context: new development in historic areas</i>. London: English Heritage/CABE.</li> <li>· B. Altınöz, A. G. (2010). Tarihi dokuda 'yeni'nin inşası. <i>Ege Mimarlık</i>, 75, 18-26.</li> <li>· T. Zeren, M. (2010). <i>Tarihi çevrede yeni ek ve yeni yapı olgusu: çağdaş yaklaşım örnekleri</i>. İstanbul: Yalın Yayıncılık.</li> </ul>								
<b>Lecturer</b>	assist.prof.dr. Süheyla BİRLİK								

**WEEKLY SCHEDULE**

<b>1. week</b>	The historical environment concept
<b>2. week</b>	The factors that cause deterioration of historical environments
<b>3. week</b>	Reasons of conservation of historical environments
<b>4. week</b>	Analysis of historical environments
<b>5. week</b>	The design approaches in historical environments
<b>6. week</b>	Examples of new buildings in historical environments / determination of topic of homework (library and internet researches)
<b>7. week</b>	Mid-term exam
<b>8. week</b>	Conservation-development aimed urban rehabilitation studies: an example in Safranbolu / determination of design and term paper studies
<b>9. week</b>	Field study: identification-documentation
<b>10. week</b>	Field study: partial rehabilitation

<b>11. week</b>	Design: field rehabilitation-redevelopment
<b>12. week</b>	Design: field rehabilitation-redevelopment
<b>13. week</b>	Design: field rehabilitation-redevelopment
<b>14. week</b>	Subjective evaluation
<b>15. week</b>	Presentation
<b>16. week</b>	Final exam
<b>17. week</b>	Final exam

#### CATEGORY

Expertise/Field Course

#### LEARNING ACTIVITIES & TEACHING METHODS

Brainstorming  
Case Study  
Discussion  
Field Trip/Study  
Homework  
Lecture & In-class Activities  
Practice  
Problem Solving  
Project Design/Management  
Reading  
Report Preparation and/or Presentation  
Social Activity  
Team/Group Work

#### CONTRIBUTION TO PROGRAM

Program Qualifications	Contribution Level				
	1	2	3	4	5
To be able to express intellectual thoughts verbally and in written			X		
To have information on topics related to environment, art, history of architecture, to follow current developments					X
To be able to use different means in concrete expressions of abstract thoughts				X	
To protect historical environments and to be able to apply architectural restoration techniques					X
To be able to show the physical environment control data in their works					
To be able to create original designs taking advantage from traditional and new concepts related to architecture					X
To be able to adapt into their own designs information acquired from building scale to urban environment					X
To be able to reflect on their own designs innovations in construction technology and material fields				X	
To think critically on the subject of design, to be able to generate alternatives to changing conditions					X
To know the scientific research process very well, to report information and findings obtained and to be able to present them in required places				X	
To be able to perform intradisciplinary and interdisciplinary works on an appointed subject			X		
To be possessed of social sensitivity and occupational ethics					

**ASSESSMENT METHODS AND CRITERIA**

Mid-term Exam	%20
Quizzes	
Homework	%20
Project	%30
Term Paper	%20
Laboratory Work	
Other	
Final Exam	%10

**WORKLOAD DISTRIBUTION AND ECTS CREDIT**

Learning Activities	Hour	Week	Workload (hour)
Duration (excluding the exam week)	3	14	42
Duration of Study Outside the Classroom (pre-study, practice)	0	0	0
Mid-term Exam and Individual Study for the Mid-term Exam	5	1	5
Quizzes	0	0	0
Homework	7	1	7
Project	36	1	36
Term Paper	30	1	30
Laboratory Work	0	0	0
Other	0	0	0
Final Exam and Individual Study for the Final Exam	8	1	8
	Total Workload		128
	Total Workload / 25.5 (h)		5.02
	ECTS Credit		5

**2. Design within the Historic Environment**

When the current developments are considered -in terms of contextual compatibility-, the approaches that can be adopted in the new building designs in historical environments can be collected under the following headings:

- similar approach
- opposite approach
- harmonic contrast approach

**2.1. Similar Approach***imitation*

to rebuild by copying the characteristics of the past (Figure 1)



Figure 1. Safranbolu; Turkish Retired Workers Association Safranbolu Branch Presidency / Karabük (photos: Süheyla Birlik)

*version*

to rebuild by addressing the characteristics of the past from a different viewpoint (Figure 2)

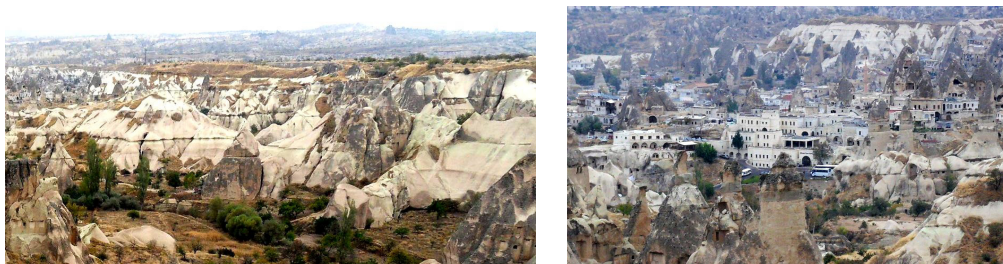


Figure 2. Göreme; Ataman Hotel / Nevşehir (photos: Süheyla Birlik)

## 2.2. *Opposite Approach*

to build by reflecting the characteristics of the own era (Figure 3)



Figure 3. St. Stephen's Cathedral; Haas House / Vienna (photos: Süheyla Birlik)

## 2.3. *Harmonic Contrast Approach*

to build by using the characteristics of both the past and the own era (Figure 4).





Figure 4. Matthias Church; Hilton Budapest Hotel / Budapest (photos: Süheyla Birlik)

3. Safranbolu-Baysal Street

Baysal Street (Figure 5), which has possession of both old and -incompatible with the texture- new buildings, is the preferred model application area in this study.



Figure 5. Baysal Street (south silhouette) / current situation

*conservation-development aimed rehabilitation study*

Potential designs (Table 2) has been developed in the manner of:

- restoring of the old buildings
- rebuilding of the new buildings incompatible with the texture based on current allowed building heights

Table 2. Baysal Street (south silhouette) / potential designs



